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PTO-1449 REPRODUCED

ATTORNEY DOCKET NO.
STS96-02AAPPLICATION NO.
08/977,787**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION**

(Use several sheets if necessary)

APPLICANT
Lee Mizzen et al.FILING DATE
November 25, 1997GROUP
1642**U.S. PATENT DOCUMENTS**

EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
MKB	AA	4,716,038	29-DEC-87	Stanford et al.	424	92	
MKB	AB	5,504,005	04-Feb-96	Bloom et al.	435	253.1	
MKB	AC	5,114,844	19-May-92	Cohen et al.	435	7.21	
MKB	AD	4,724,144	09-Feb-88	Rook et al.	424	88	
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
MKB	AL	WO 85/05034	21-Nov-85	PCT	—	—	
	AM	WO 89/12455	28-Dec-89	PCT	—	—	
	AN	WO 90/15873	27-Dec-90	PCT	—	—	
	AO	WO 92/08488	27-Dec-90	PCT	—	—	
	AP	WO 93/17712	16-Sep-93	PCT	—	—	
MKB	AQ	WO 94/03208	17-Feb-94	PCT	—	—	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

MKB	AR	Suzue, K. and Young, R.A., "Adjuvant-Free hsp70 Fusion Protein System Elicits Humoral and Cellular Immune Responses to HIV-1 p24 ¹ ," <i>J. Immunol.</i> , 156:873-879, (1996).
	AS	Noll, A. and Autenrieti, I.B., "Immunity against <i>Yersinia enterocolitica</i> by Vaccination with <i>Yersinia</i> HSP60 Immunostimulating Complexes or <i>Yersinia</i> HSP60 plus Interleukin-12," <i>Infect. & Immun.</i> , 64:2955-2961 (1996).
MKB	AT	Barrios, C., et al., "Mycobacterial heat-shock proteins as carrier molecules. II: The use of the 70-kDa mycobacterial heat-shock protein as carrier for conjugated vaccines can circumvent the need for adjuvants and Bacillus Calmette Guerin priming," <i>Eur. J. Immunol.</i> , 22:1365-1372, (1992).


EXAMINER

MKB

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9/29/99

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<i>MK3</i>	AL2	WO 94/29459	22-Dec-94	PCT				
	AM2	2 251 186	01-Jul-92	UK				
	AN2	0 322 990	05-Jul-89	EPO				
	AO2	0 262 710	07-Sep-87	EPO				
	AP2	WO 91/15572	17-OCT-91	PCT				
<i>MK3</i>	AQ2	WO 91/02542	07-Mar-91	PCT				
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
<i>MK3</i>	AU	Kaufman, S.H.E., et al., "Enumeration of T cells reactive with <i>Mycobacterium tuberculosis</i> organisms and specific for the recombinant mycobacterial 64-kDa protein," <i>Eur. J. Immunol.</i> , 17:351-357 (1987).						
	AV	Ferrero, R.L., et al., The GroES homolog of <i>Helicobacter pylori</i> confers protective immunity against mucosal infection in mice," <i>Proc. Natl. Acad. Sci. USA</i> , 92:6499-6503 (1995).						
	AW	Young, D., et al., "Stress Proteins are immune targets in leprosy and tuberculosis," <i>Proc. Natl. Acad. Sci. USA</i> , 85:4267-4270 (1988).						
	AX	Gomez, F. J., et al., "Vaccination with Recombinant Heat Shock Protein 60 from <i>Histoplasma capsulatum</i> Protects Mice against Pulmonary Histoplasmosis," <i>Infect. & Immun.</i> , 63:2587-2595 (1995).						
	AY	Del Guidice, G., et al., "Priming to Heat Shock Proteins in Infants Vaccinated against Pertussis," <i>J. Immunol.</i> , 150(5):2025-2032 (1993).						
	AZ	Barrios, C. et al., Heat shock proteins as carrier molecules: <i>in vivo</i> helper effect mediated by <i>Escherichia coli</i> GroEL and DnaK proteins requires cross-linking with antigen," <i>Clin. Exp. Immunol.</i> , 98:229-233 (1994).						
	AR2	De Velasco, E.A., et al., Synthetic Peptides Representing T-Cell Epitopes Act as Carriers in Pneumococcal Polysaccharide Conjugate Vaccines," <i>Infect. & Immun.</i> , 63:961-968 (1995).						
	AS2	Konen-Waisman, S. et al., "Self and Foreign 60-Kilodalton Heat Shock Protein T Cell Epitope Peptides Serve As Immunogenic Carriers for a T Cell-Independent Sugar Antigen1," <i>J. Immunol.</i> , 154:5977-5985 (1995).						
<i>MK3</i>	AT2	Friedland, J.S., et al., "Mycobacterial 65-kD heat shock protein induces release of proinflammatory cytokines from human monocytic cells," <i>Clin. Exp. Immunol.</i> , 91:58-62 (1993).						
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MKZ	AL3	WO 92/08484	29-May-92	PCT	—	—		
MKZ	AM3	WO 88/06591	07-Sep-88	PCT	—	—		
	AN3	WO 88/05823	11-Aug-88	PCT	—	—		
	AO3	WO 88/00974	11-Feb-88	PCT	—	—		
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
MKZ	AU2	Verdegaal, E.M.E., et al., "Heat Shock Protein 65 Induces CD62e, CD106, and CD54 on Cultured Human Endothelial Cells and Increases Their Adhesiveness for Monocytes and Granulocytes," <i>J. Immunol.</i> , 157:369-376 (1996).						
	AV2	Vodkin, M.H. and William, J.M., "A Heat Shock Operon in <i>Coxiella burnetii</i> Produces a Major Antigen Homologous to a Protein in Both <i>Mycobacteria</i> and <i>Escherichia coli</i> ," <i>J. Bact.</i> , 170(3):1227-1234 (1988).						
	AW2	Dubois, P. et al., "Protective immunization of the squirrel monkey against asexual blood stages of <i>Plasmodium falciparum</i> by use of parasite protein fractions," <i>Proc. Natl. Acad. Sci. USA.</i> , 81:229-232 (1984).						
	AX2	Ardeshtir F., et al., "A 75 kd merozoite surface protein of <i>Plasmodium falciparum</i> which is related to the 70 kd heat-shock proteins," <i>EMBO J.</i> , 6(2):493-499 (1987).						
	AY2	Lamb, J.R., et al., "Stress Proteins may Provide a Link Between the Immune Response to Infection and Autoimmunity," <i>Int'l. Immun.</i> , 1(2):191-196 (1989).						
	AZ2	Lindquist, S. and Craig, E.A., "The Heat-Shock Proteins," <i>Annu. Rev. Genet.</i> , 22:631-677 (1988).						
	AR3	Husson, R.N. and Young, R.A., "Genes for the major protein antigens of <i>Mycobacterium tuberculosis</i> : the etiologic agents of tuberculosis and leprosy share an immunodominant antigen," <i>Proc. Natl. Acad. Sci. USA</i> , 84:1679-1683 (1987).						
	AS3	Thole, J.E.R., et al., "Characterization, Sequence Determination, and Immunogenicity of a 64-Kilodalton Protein of <i>Mycobacterium bovis</i> BCG Expressed in <i>Escherichia coli</i> K-12," <i>Infect. Immunol.</i> , 55(6):1466-1470 (1987).						
	AT3	Del Giudice, G., et al., "Heat shock protein as "super"-carriers for sporozoite peptide vaccines?," <i>Res. in Immunol.</i> , 162:703-707 (1991).						
	AU3	Young, D.B., et al., "The 65kDa antigen of <i>mycobacterium</i> - a common bacterial protein?," <i>Immunol. Today</i> , 8(7-8):215-219 (1987).						
	AV3	Young, R.A., "Stress Proteins and Immunology," <i>Annu. Rev. Immunol.</i> , 8:401-420 (1990).						
	AW3	Blander, S.J. and Horwitz, M.A., "Major Cytoplasmic Membrane Protein of <i>Legionella pneumophila</i> , a Genus Common Antigen and Member of the hsp 60 Family of Heat Shock Proteins, Induces Protective Immunity in a Guinea Pig Model of Legionnaires' Disease," <i>J. Clin. Invest.</i> , 91:717-723 (1993).						
MKZ	AX3	Lussow, A.R., et al., "Mycobacterial heat-shock proteins as carrier molecules," <i>Eur. J. Immunol.</i> , 21:2297-2302 (1991).						
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MKB	AP3	WO 97/06821	27-FEB-97	PCT			
	AQ3	WO 97/26910	31-JUL-97	PCT			
	AL4	WO 96/10421	11-APR-96	PCT			
MKB	AM4	WO 95/24923	21-SEP-95	PCT			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
MKB	AY3	Srivastava P.K. and Udono, H., "Heat shock protein-peptide complexes in cancer immunotherapy," <i>Curr. Opin. Immunol.</i> , 6:728-732 (1994).					
MKB	AZ3	Levi, R. and Arnon, R., "Synthetic recombinant influenza vaccine induces efficient long-term immunity and cross-strain protection," <i>Vaccine</i> , 14(1):85-92, (1996).					
MKB	AF4	DeNagel, D.C. and Pierce, S.K., "Heat shock proteins in Immune Responses," <i>Crit. Rev. Immunol.</i> , 13(1):71-81 (1993).					
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